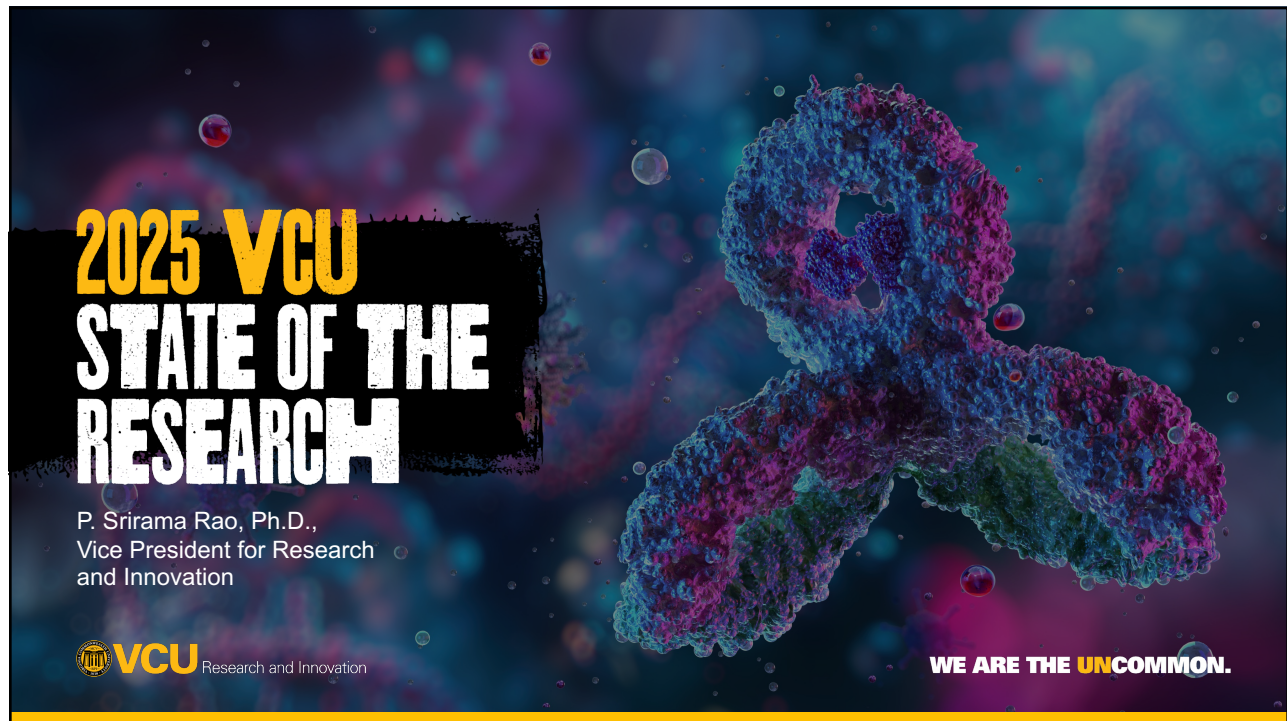
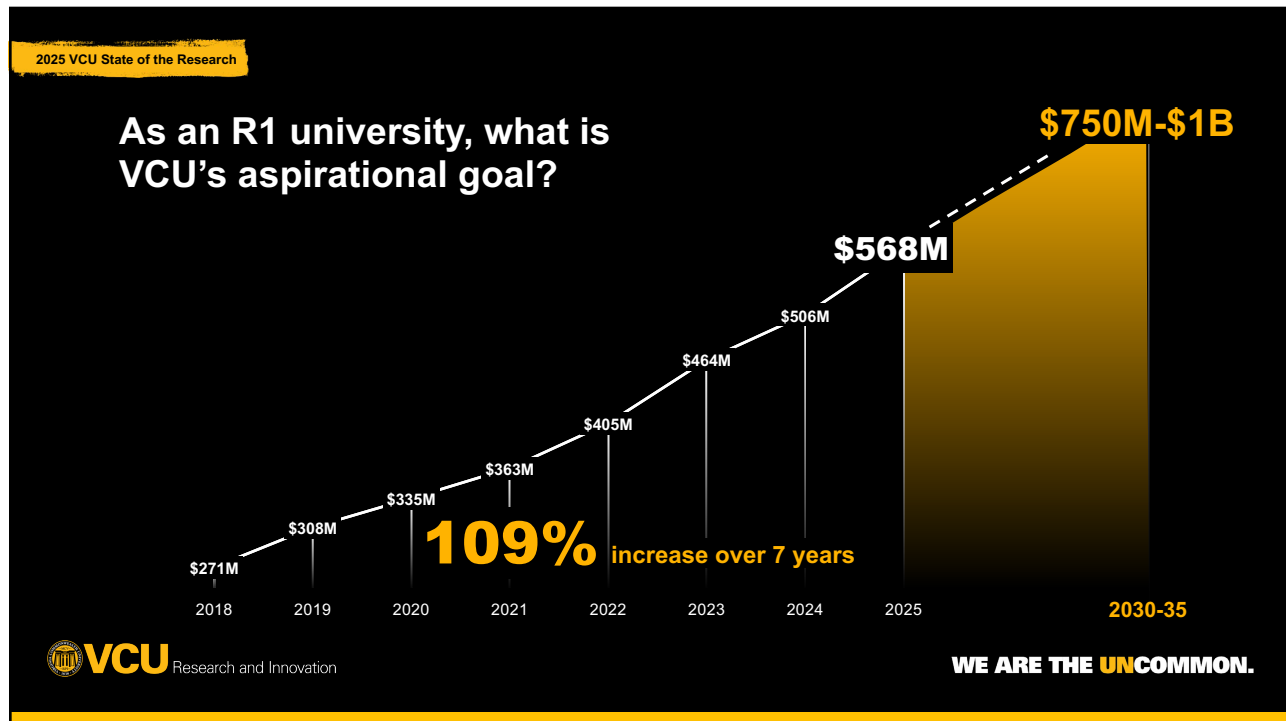




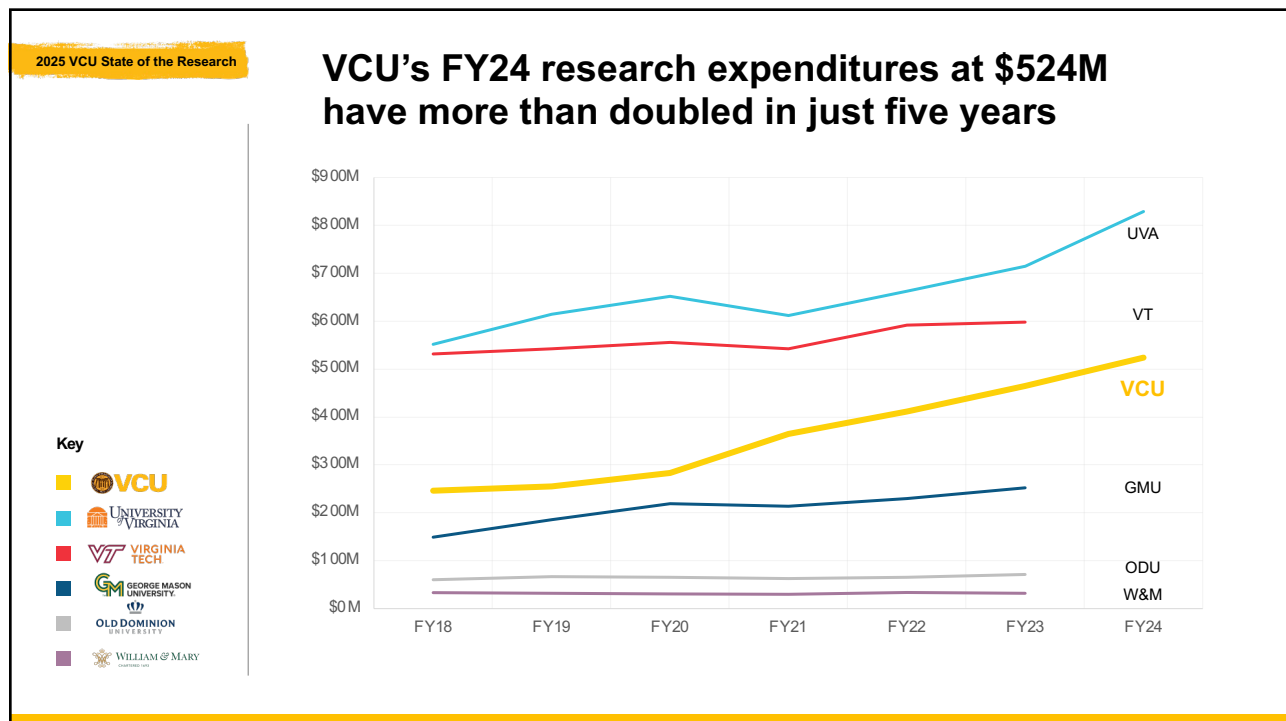
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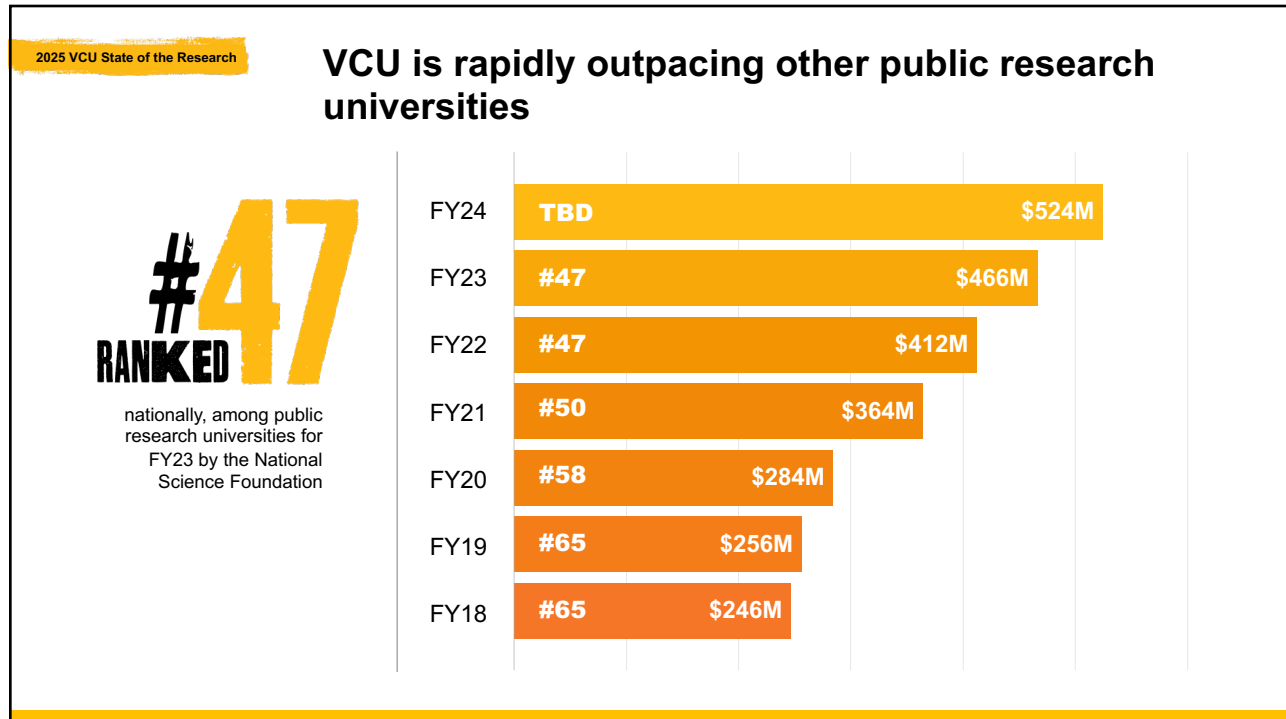
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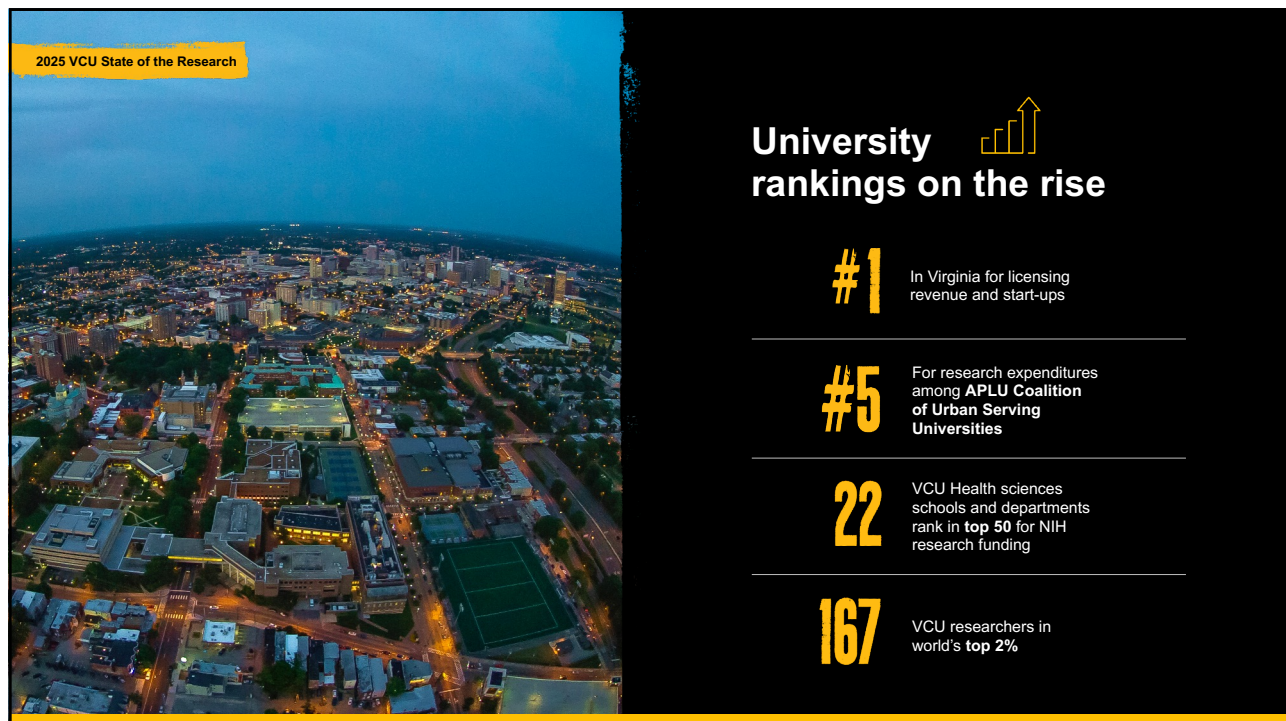
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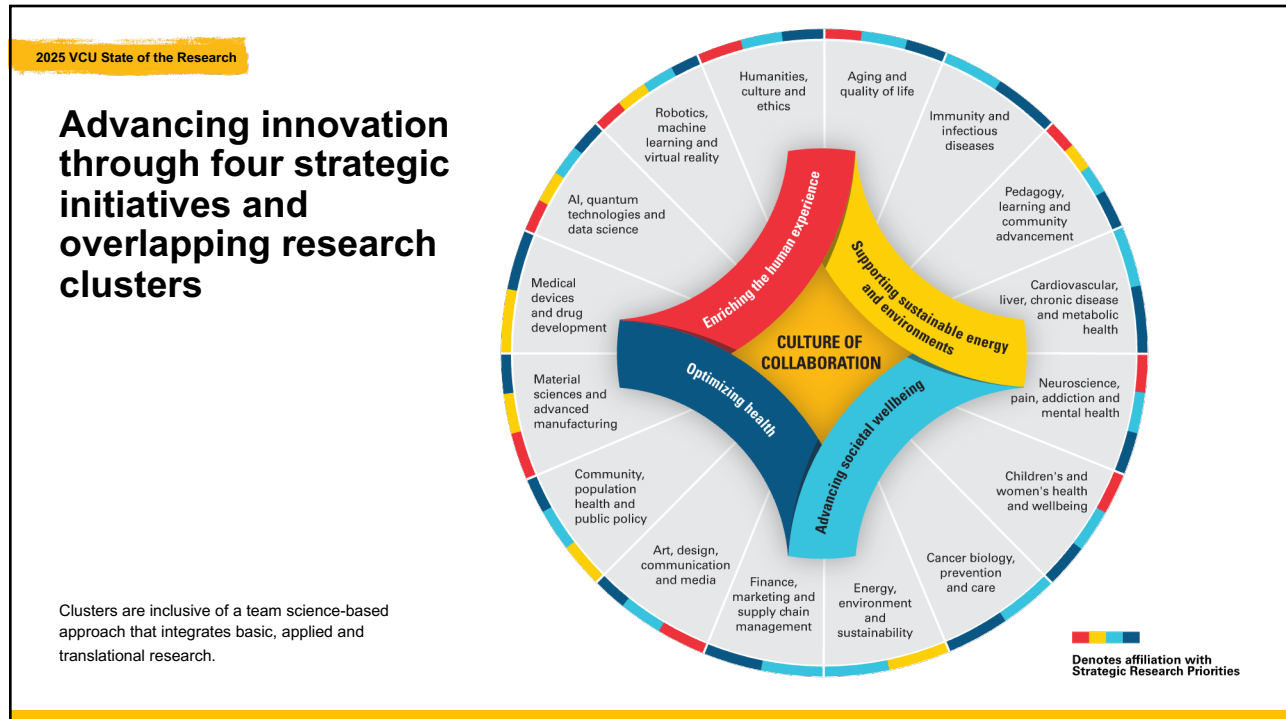
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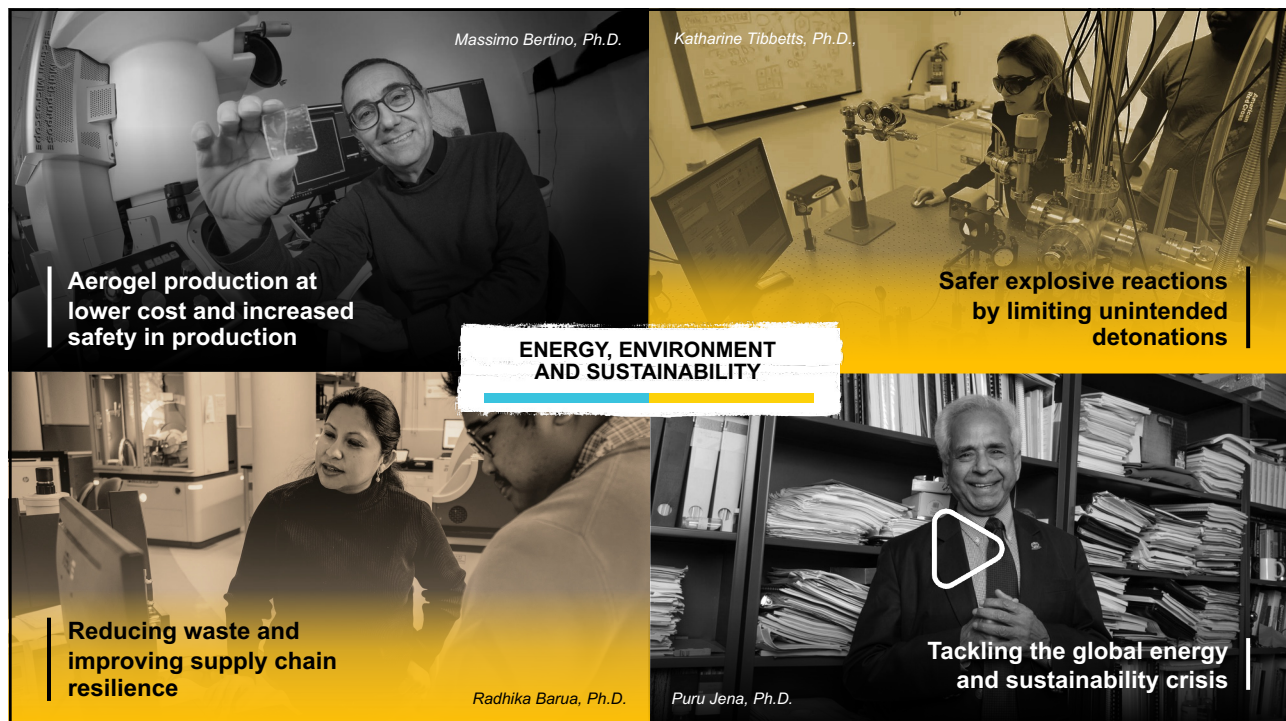
5



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8

Michael D. Broda, Ph.D.
Chin-Nig (Nick) Chang, Ph.D.

Jarrod Reisweber, Psy.D.

Advancing the responsible and ethical use of machine learning

Leveraging VR treatment to combat addiction crisis among veterans

ROBOTICS, MACHINE LEARNING AND VIRTUAL REALITY

Testing new smart city technologies with OpenCyberCity

Sherif Abdelwahed, Ph.D.

Semi Ryu, Ph.D.

Improving palliative care through the use of virtual reality

9

Michael Hindle, Ph.D.
Worth Longest, Ph.D.

Casey Grey, Ph.D.

Non-invasive inhaler for premature infants

Modified CPAP device for preterm infants

MEDICAL DEVICES AND DRUG DEVELOPMENT

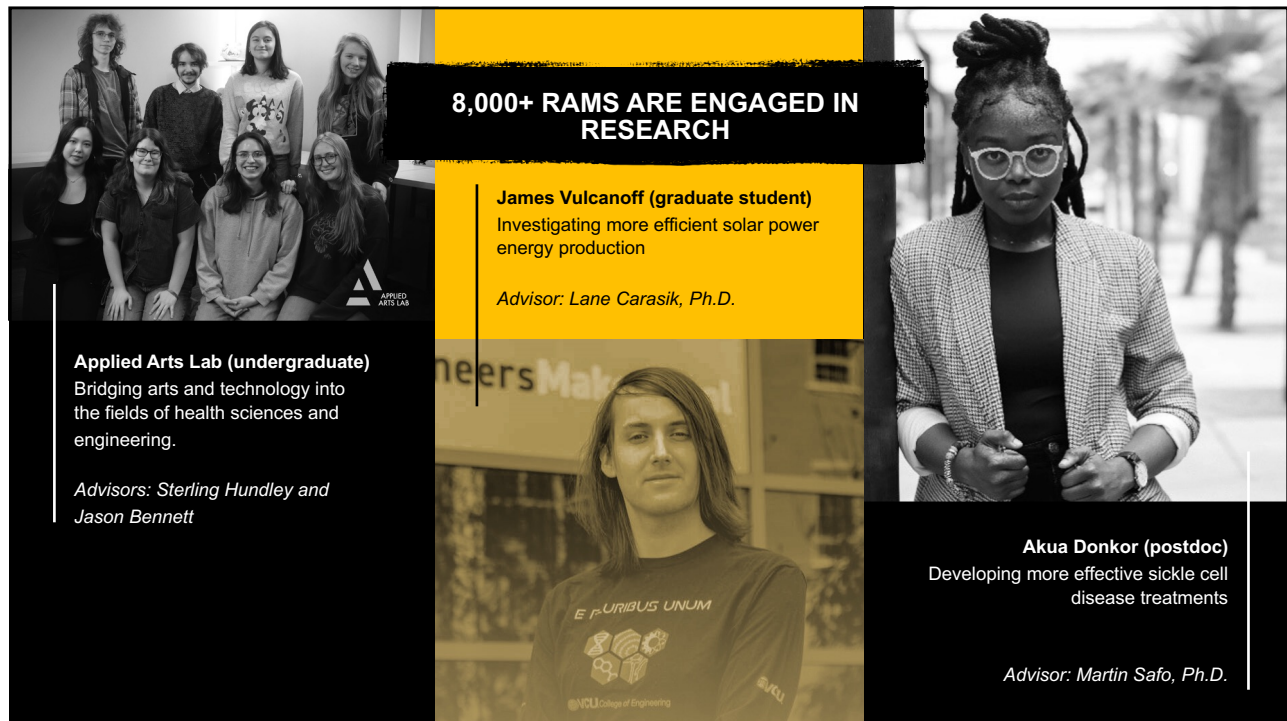
More effective treatment for massive blood loss

Martin Mangino, Ph.D.

B. Frank Gupton, Ph.D.

Increasing global drug access and affordability

10



8,000+ RAMS ARE ENGAGED IN RESEARCH

James Vulcanoff (graduate student)
Investigating more efficient solar power energy production
Advisor: Lane Carasik, Ph.D.

Applied Arts Lab (undergraduate)
Bridging arts and technology into the fields of health sciences and engineering.
Advisors: Sterling Hundley and Jason Bennett

Akua Donkor (postdoc)
Developing more effective sickle cell disease treatments
Advisor: Martin Safo, Ph.D.

11

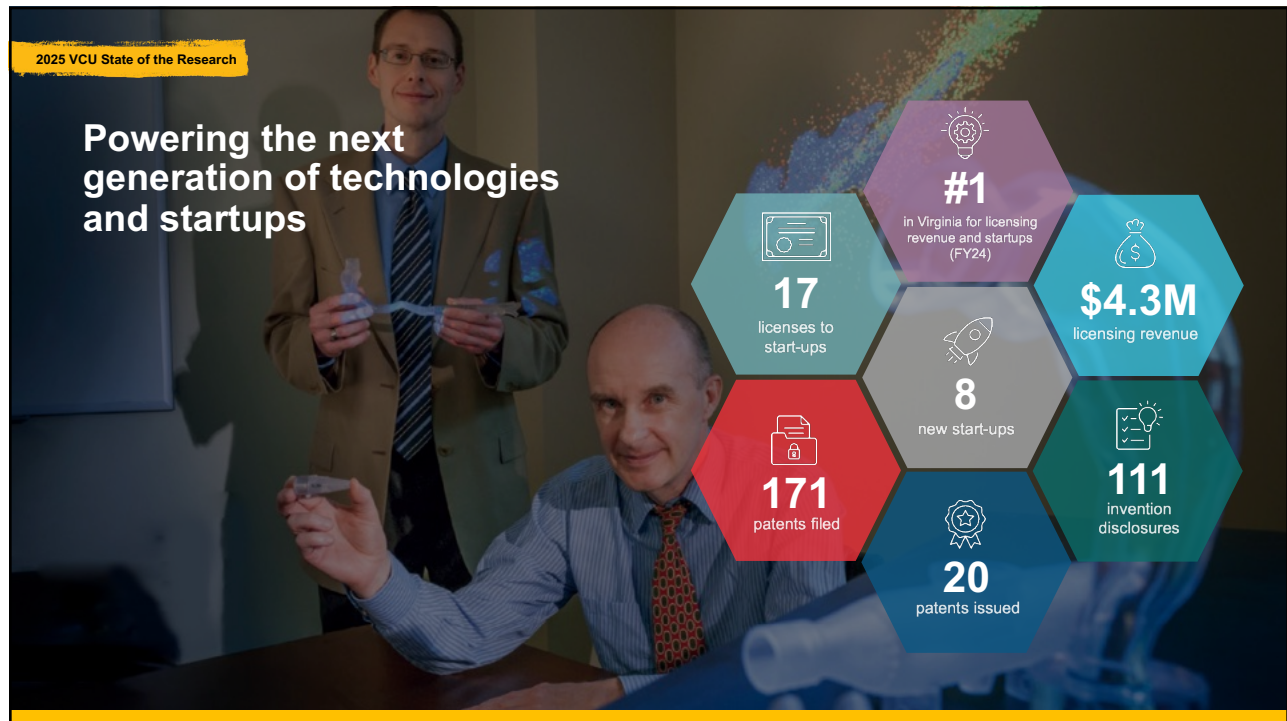


2025 VCU State of the Research

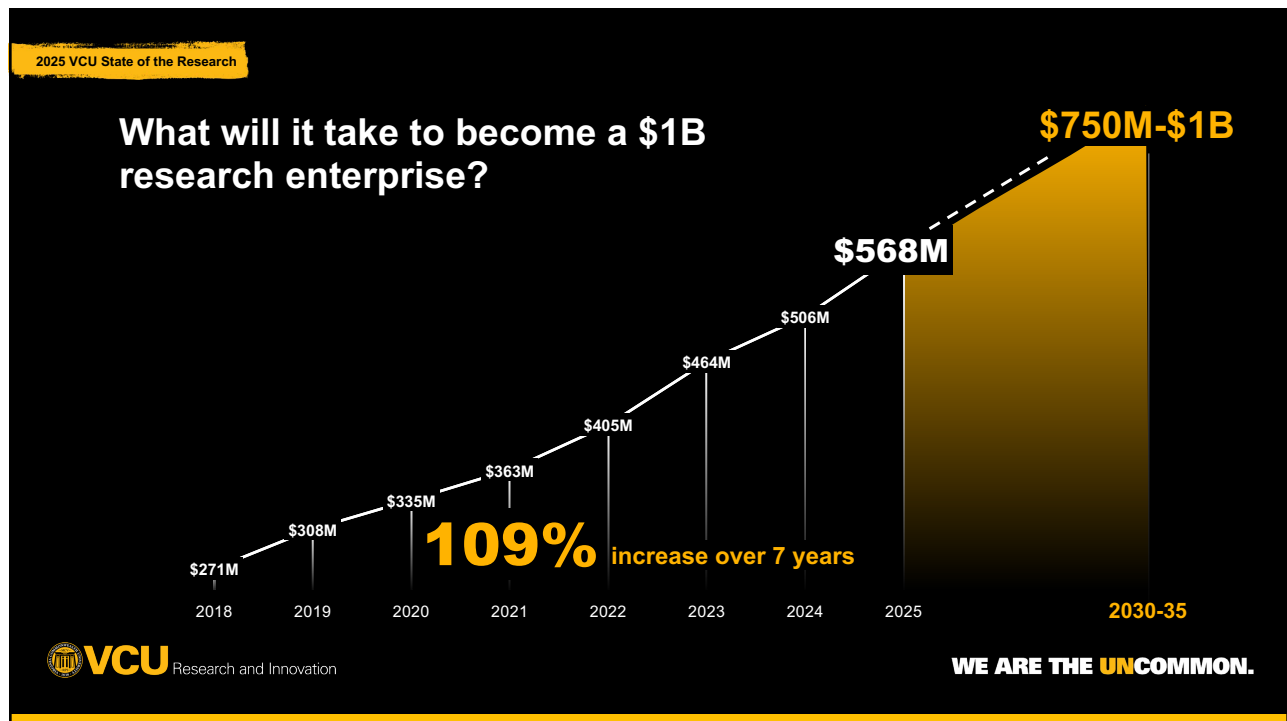
Serving Virginia through cutting-edge treatments and cures

 1,197 clinical research studies	 735 active clinical trials at VCU/VCUHS
 12,000+ total active participants enrolled in clinical research	 3,433 enrolled across all active clinical trials

12



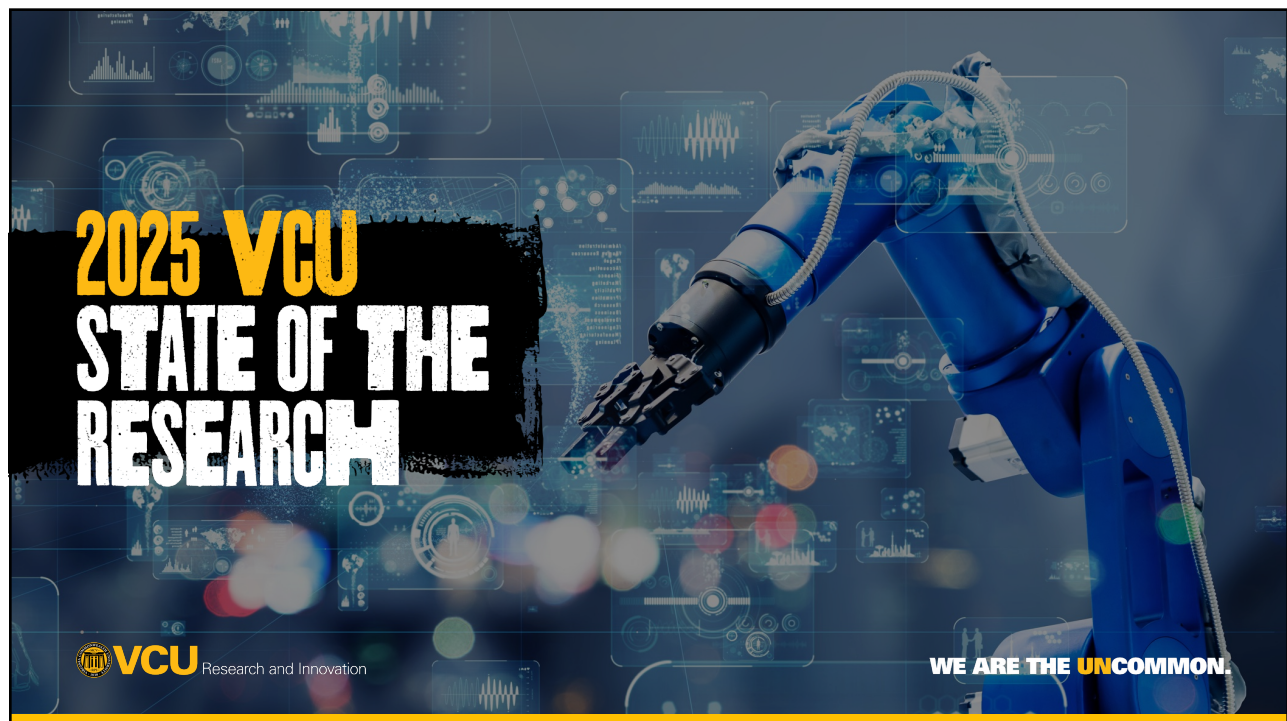
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